

FIG. 1

The diagram shows a horizontal shaft with four rotors. The first rotor on the left is labeled 29 and has a '+' sign on its left face and a '-' sign on its right face. The second rotor is labeled 30 and has a '-' sign on its left face and a '+' sign on its right face. The third rotor is labeled 30 and has a '+' sign on its left face and a '-' sign on its right face. The fourth rotor on the right is labeled 29 and has a '-' sign on its left face and a '+' sign on its right face. The shaft is supported by bearings, with labels 17, 19, 11, 26, and 18 indicating specific points or components. The top of the shaft is labeled 20, 24, 27, 28, 21, 27, and 25. The bottom of the shaft is labeled 29, 17, 19, 11, 26, 18, and 29. The pressure conditions are given as $P_1 = r$, P_2 , P_3 , and $P_4 = 0$.

FIG 2c

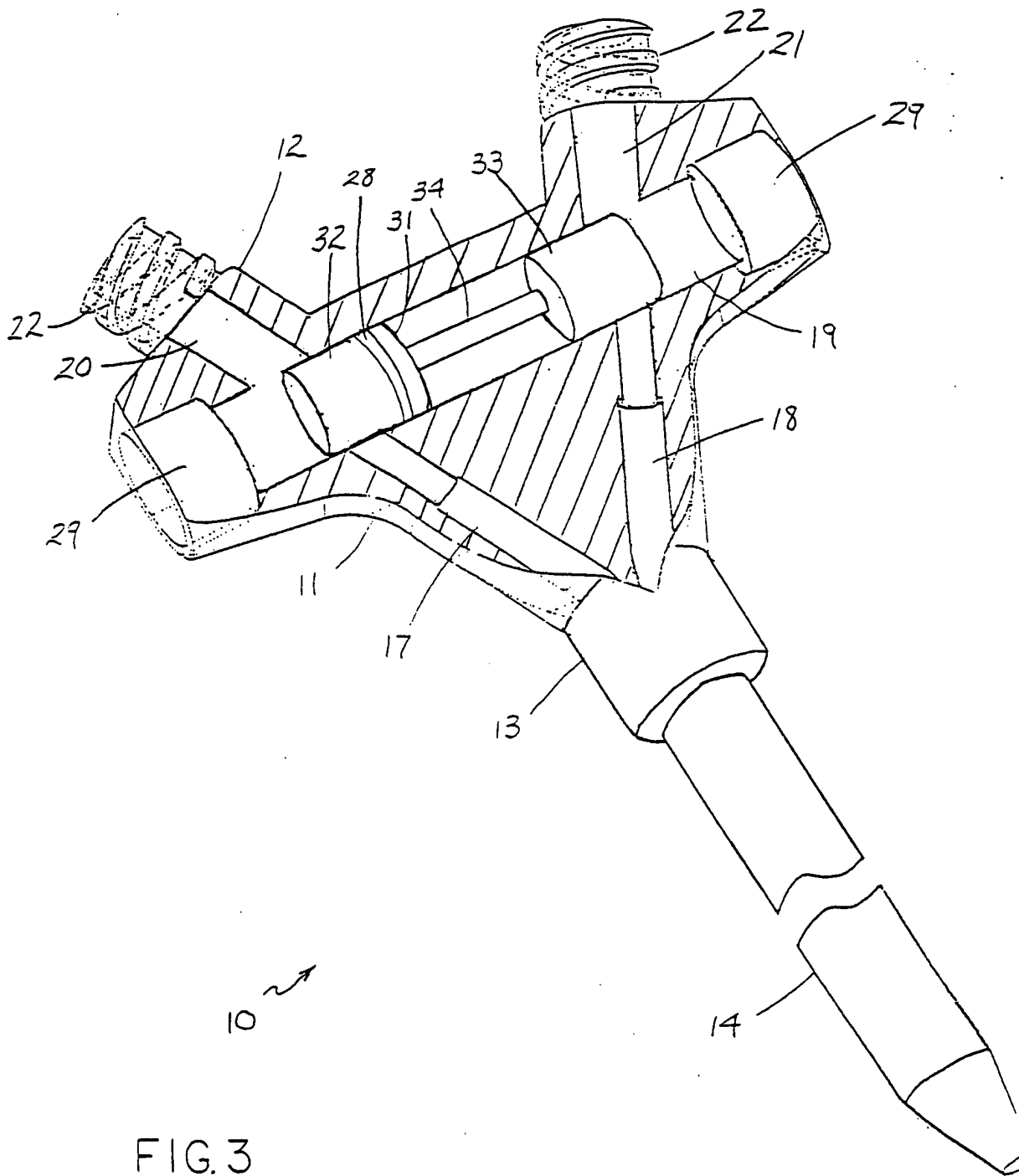
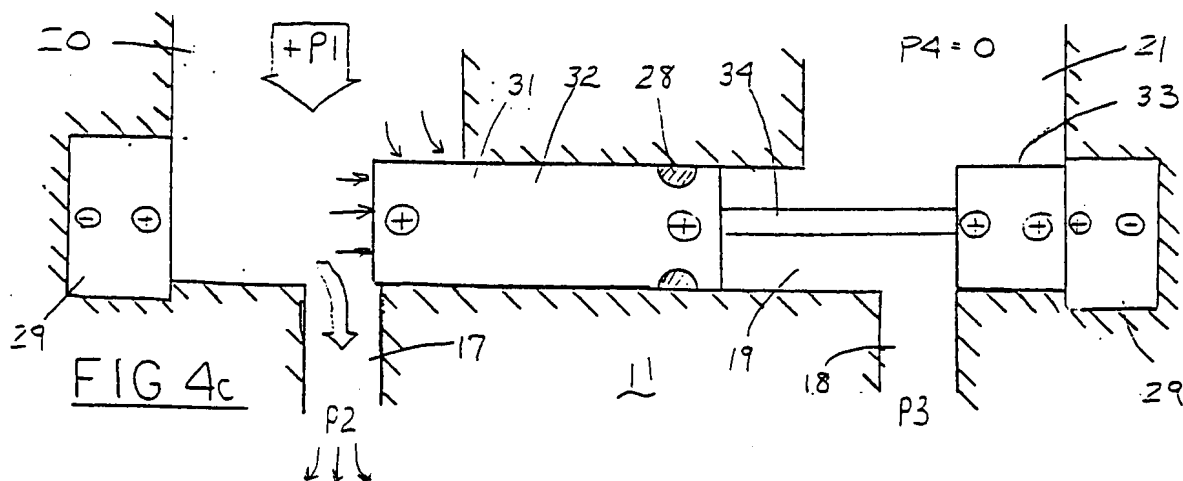
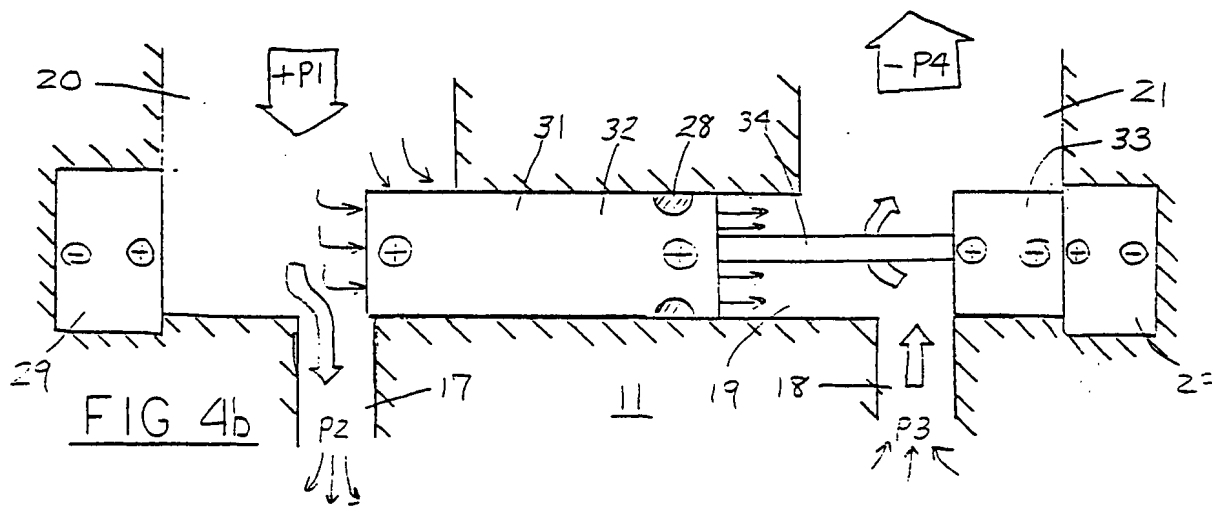
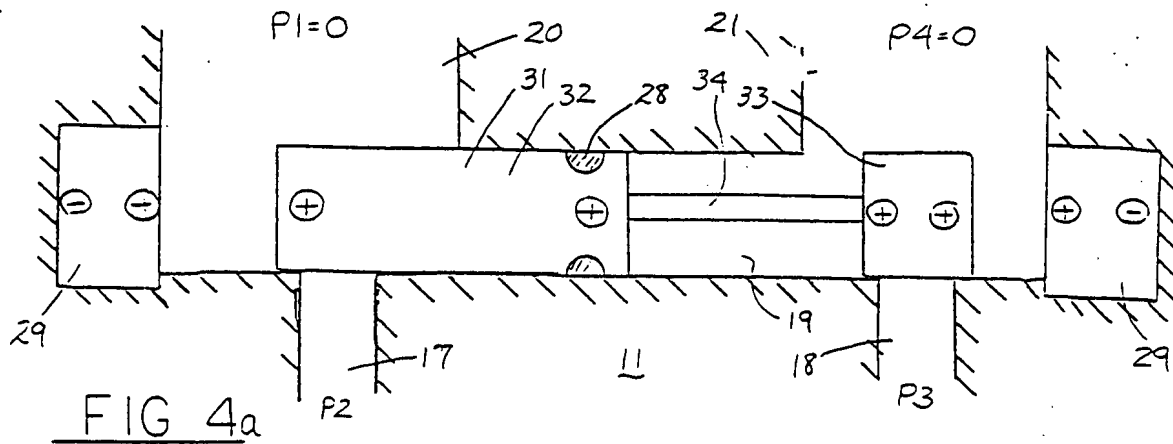


FIG. 3



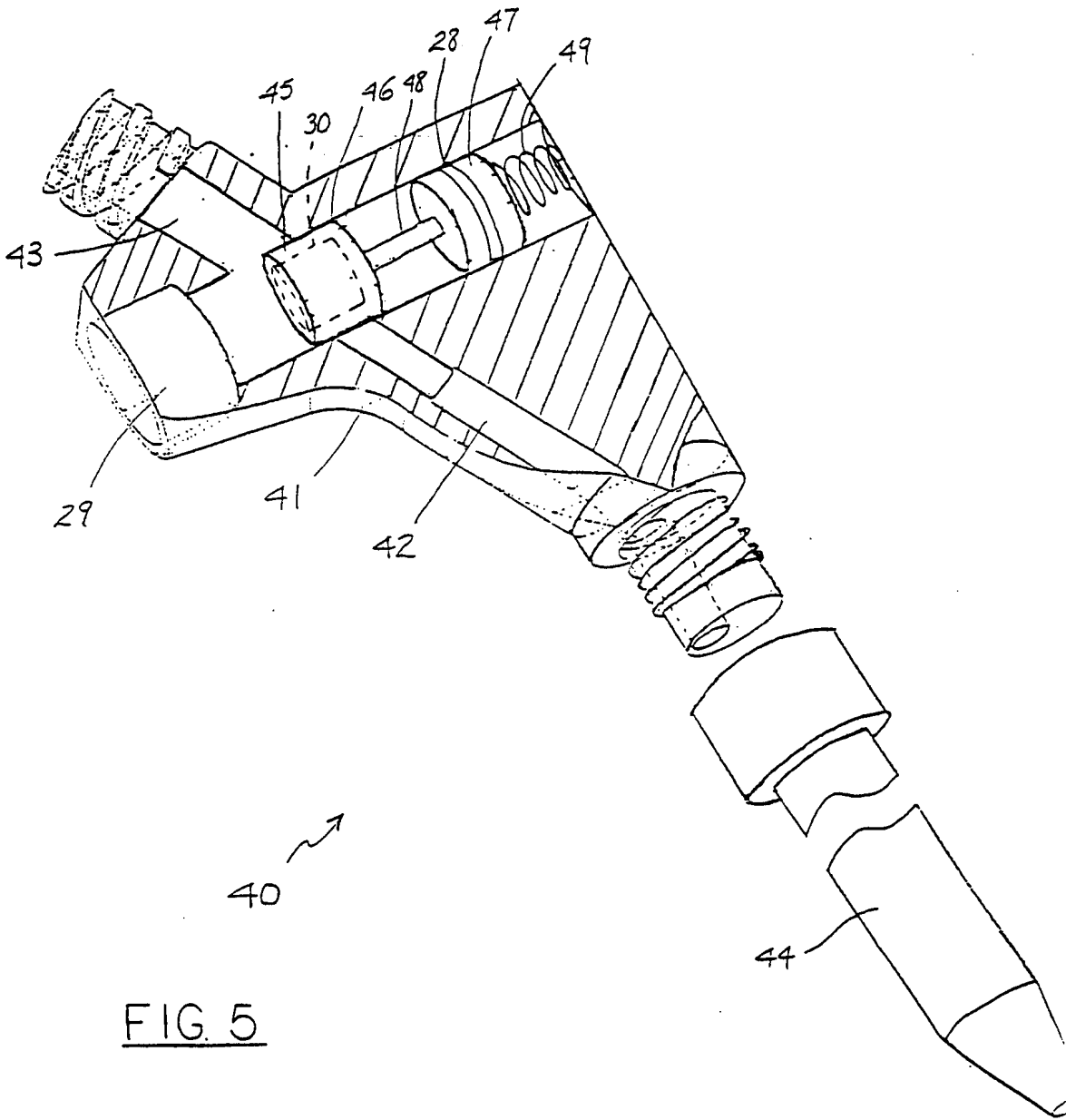


FIG. 5

